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Dated: 2-4-04

Signature: Maura A. Gallagher  
(Maura A. Gallagher)

Docket No.: HUIP-P02-060  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Baron et al.

Application No.: Not Yet Assigned

Filed: February 3, 2004

Art Unit: N/A

For: METHODS FOR MODULATING  
HEMATOPOIESIS AND VASCULAR  
GROWTH

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

In accordance with 37 C.F.R. 198(d), patent(s) or publication(s) listed on the attached Form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in prior application number 09/021660, filed February 10, 1998 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this

Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. HUIP-P02-060.

Dated: February 3, 2004

Respectfully submitted,

By   
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**SECTION 2: FORM PTO 1449 - MODIFIED**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Baron, et al. Attorney Docket: 1874/110  
Serial No.: N/A Date: March 9, 1998  
Date Filed: N/A  
Invention: Methods for Modulating Hematopoiesis and Vascular Growth

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANTS' INFORMATION DISCLOSURE STATEMENT**

**U.S. Patent Documents**

<u>Exam. Ref.</u>	<u>Document</u>	<u>Issue</u>	<u>Class/</u>
<u>Init.</u>	<u>No.</u>	<u>Date</u>	<u>Subclass</u>

**Foreign Patent Documents**

<u>Exam. Ref.</u>	<u>Document</u>	<u>Date</u>	<u>Class/</u>
<u>Init.</u>	<u>No.</u>		<u>Subclass</u>
AA	WO95/18856	13 July 1995	
AB	WO96/16668	6 Jun. 1996	

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Examiner: \_\_\_\_\_

Date Considered: \_\_\_\_\_

NOTE FOR EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance AND not considered. Include copy of this form with next communication to applicant.

**Notice of References Cited**

Application/Control No.

09/021,660

Applicant(s)/Patent Under  
Reexamination  
BARON ET AL.

Examiner

Claire M. Kaufman

Art Unit

1646

Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
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	C	US-			
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**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Bhardwaj et al., Sonic hedgehog induces the proliferation of primitive human hematopoietic cells via BMP regulation, Nature Immunol. (Feb. 2001) 2(2):172-1180.
	V	Detmer et al., Erythroid differentiation in vitro is blocked by cyclopamine, an inhibitor of hedgehog signaling, Blood Cells, Molecules, and Diseases (Aug. 2000) 26(4): 360-372.
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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Application/Control No.

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**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Willimans et al. Functional antagonists of sonic hedgehog reveal the importance of the N-terminus for activity, J. Cell. Sci., 199 Dec., 112 (Pt. 23): 4405, abstract only.
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	W	
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\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
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Application/Control No.

09/021,660

Examiner

Claire M. Kaufman

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Re xamination

Baron et al.

Art Unit

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## **U.S. PATENT DOCUMENTS**

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## **NON-PATENT DOCUMENTS**

*		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)	DOCUMENT SOURCE **	
			APS	OTHER
<input type="checkbox"/>	U	Hemmati-Brivanlou et al., Ventral mesodermal patterning in Xenopus embryos: expression patterns and activities of BMP-2 and BMP-4, Dev. Genet., 17:78-89, 1995.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	V	Zeigler et al., In vitro megakaryocytopoietic and thrombopoietic activity of c-mpl ligand (TPO) on purified murine hematopoietic stem cells, Blood, 84(12): 4045-4052, Dec. 1994.	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	X		<input type="checkbox"/>	<input type="checkbox"/>

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Notice of References Cited

Part of Paper No. 10

*Claire M. Kaufman* 9/21/99

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Dated: 2-3-04 Signature: Maura A. Gallagher  
(Maura A. Gallagher)

Docket No.: HUIP-P02-060  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Baron et al.

Application No.: Not Yet Assigned

Filed: February 3, 2004

Art Unit: N/A

For: METHODS FOR MODULATING  
HEMATOPOIESIS AND VASCULAR  
GROWTH

Examiner: Not Yet Assigned

**TRANSMITTAL OF SEQUENCE LISTING IN COMPUTER READABLE  
FORM (CRF) -- TRANSFER COPY FROM PRIOR APPLICATION**

Box Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


Dear Sir:

In accordance with 37 C.F.R. §1.821(e), Applicants submit that the attached "Sequence Listing" in the above-referenced patent application is identical to the sequence listing filed in the parent application, U.S. Serial No. 09/021,660, filed February 10, 1998. Applicants respectfully request that a copy of the C.R.F. filed in the parent application be included in the above-identified application in lieu of a new C.R.F.

As required by 37 C.F.R. § 1.821(f), Applicant's Agent hereby states that the contents of the "Sequence Listing" in paper form as originally filed and the C.R.F. incorporated hereinabove are the same.

Dated: February 3, 2004

Respectfully submitted,

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